| Index | of Claims |
|-------|-----------|
|       |           |

| <br>Application No. | Applicant(s)     |
|---------------------|------------------|
| 10/727,979          | KATAGIRI, MASAKI |
| Examiner            | Art Unit         |
| Albert J. Gagliardi | 2878             |

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Ň  | Non-Elected  |
|----|--------------|
| Ī. | Interference |

| 4 | ١. | Appeal   |
|---|----|----------|
|   | )  | Objected |

| Cla          | aim      |              |  | <u>.</u>        |        | Date            | •            |          |  |              | [   | Cla   | im       | -               |          |             | Date     |          |          |  |        | CI   | aim      |  |                   |          | D        | ate      |          |          |           |          |
|--------------|----------|--------------|--|-----------------|--------|-----------------|--------------|----------|--|--------------|-----|-------|----------|-----------------|----------|-------------|----------|----------|----------|--|--------|--|----------|--|-------------------|----------|----------|----------|----------|----------|-----------|----------|
|              | -        |              | 4  |                 |        |                 |              |          |  |              |     |       | al .     |                 | Т        |             |          |          |          |  |        |  | al ·     |  |                   |          |          |          |          |          |           |          |
| Final        | Original | 8/25/04      | 11/23/04   |                 | - 1    |                 | 1            |          |  |              |     | Final | Original |                 |          |             | 1 1      | •        |          |  |        | Finaţ  | Original |  |                   |          |          |          |          |          |           |          |
| ιĒ           | rig      | 1/25         | 1/2  |                 |        |                 |              |          |  |              |     | ᇤ     | rig      |                 |          |             |          |          |          |  |        | ίĒ   | rig      |  |                   |          |          |          |          |          |           | i        |
|              |          | ~            | 1  |                 |        |                 |              |          |  |              |     |       | 0        |                 |          |             | ΙI       |          |          |  |        |  | 0        |  |                   |          | -        |          |          |          | -         | j        |
|              | 1        |              |  |                 |        |                 |              |          |  | 7            |     |       | 51       |                 |          |             |          |          |          |  |        |  | 101      |  |                   |          | $\neg$   |          |          | $\neg$   | T         | $\neg$   |
|              | 2        |              |  |                 |        |                 |              |          |  |              | - [ |       | 52       |                 | T        |             | П        |          |          |  |        |  | 102      |  |                   |          |          |          |          | $\neg$   | Т         |          |
|              | 3        | _            |  | $\Box$          |        | T               |              |          | _  | 7            | :   |       | 53       |                 |          |             |          |          |          |  |        |  | 103      |  |                   | T        |          | T        | $\neg$   | $\neg$   | $\neg$    | $\neg$   |
|              | 4        |              |  | T               |        |                 |              |          |  | ٦.           | . [ |       | 54       |                 | $\top$   |             |          |          | $\top$   |  | :      |  | 104      |  |                   | 1        |          |          | T        |          |           |          |
|              | 5        |              |  |                 |        |                 |              |          |  | ٦.           | Ī   |       | 55       |                 | T        | T           |          | $\neg$   |          |  | •      |  | 105      |  |                   |          |          |          |          | $\neg$   | $\neg$    |          |
|              | 6        |              |  |                 |        |                 |              | $\neg$   | $\top$   | ٦.           | Ī   |       | 56       |                 | $\top$   | 1           |          |          |          |  | :.:    |  | 106      |  |                   | T        | T        |          |          |          |           |          |
|              | 7        | +            | 1  |                 |        |                 |              | $\neg$   |  | 1            | Ī   |       | 57       |                 |          | 1           |          |          |          |  | Ī      |  | 107      |  |                   |          | T        |          |          |          | $\top$    |          |
|              | 8        | ÷            | 1  | T               |        |                 |              | $\Box$   |  | 7.:          | Ī   |       | 58       |                 |          | $\top$      |          |          |          |  |        |  | 108      |  |                   | T        |          |          | $\neg$   | $\neg$   | Т         | $\neg$   |
|              | 9        | +            | 1  |                 |        |                 |              |          |  | 7:           | .   |       | 59       |                 | $\neg$   | $\top$      | 11       |          |          |  |        |  | 109      |  |                   |          |          |          | $\neg$   | $\neg$   | $\neg$    |          |
| <u> </u>     | 10       | _            | N  | $\dashv$        |        |                 |              | $\dashv$ |  | 7:           | ı   |       | 60       | $\neg$          | _        | 1           | $\Box$   | _        | $\top$   |  | 1      |  | 110      |  |                   | 寸        |          |          |          | T        | 寸         | ╗        |
|              | 11       |              | N  | $\dashv$        |        |                 |              | _        | _  | 7            | iit |       | 61       |                 |          | 1           |          | $\dashv$ |          |  |        |  | 111      |  |                   | 寸        |          |          |          | 一        | ヿ         | ╗        |
|              | 12       |              | N  |                 |        | $\vdash$        | $\vdash$     | $\dashv$ | $\dashv$   | 1            | ᅡ   | -     | 62       | $\dashv$        | _        | +           | $\sqcap$ | $\dashv$ | $\vdash$ |  |        |  | 112      |  |                   | 1        | T        | 7        | _        | $\top$   |           | ヿ        |
|              | 13       | Г            | Ė  | $\vdash$        |        |                 |              |          |  | 1            | ij  |       | 63       | $\dashv$        | _        |             | П        | $\neg$   | $\top$   | П  |        |  | 113      |  |                   | $\dashv$ | 1        | 寸        | _        | 寸        | 寸         | ヿ        |
| <b></b>      | 14       |              | П  |                 |        | $\vdash$        |              |          | $\dashv$   | 7            | ıŀ  |       | 64       | 一               | +        | $\top$      | П        | 1        |          | М  |        |  | 114      |  |                   | T        | 1        | 寸        | _        | $\top$   | 1         | ヿ        |
|              | 15       | $\vdash$     | $\vdash$   | $\vdash$        |        | -               | -            |          | +  | <b>-</b>     | ᅡ   |       | 65       | $\dashv$        | +        | +           | $\vdash$ | $\dashv$ | $\top$   | Н  |        |  | 115      |  | _                 | $\dashv$ | 1        |          |          | $\top$   | 十         | ㅓ        |
|              | 16       | $\vdash$     |  | $\vdash \vdash$ | $\neg$ | $\vdash$        | $\vdash$     |          | $\dashv$   | <b> </b>  :: | ı   |       | 66       | $\dashv$        | +-       | 1           | П        | _        |          | $\Box$   |        |  | 116      |  |                   | $\dashv$ | $\dashv$ | $\neg$   |          | 十        | ヿ         | ヿ        |
|              | 17       |              | H  |                 |        | $\vdash$        | $\dashv$     | $\dashv$ | +  | -            | ŀ   |       | 67       | $\dashv$        | +        | +           | H        |          | $\top$   | $\vdash$   |        |  | 117      |  | $\Box$            | _        | $\dashv$ | T        | 1        | 十        | 十         | $\neg$   |
|              | 18       | _            | $\vdash$   |                 |        |                 | $\Box$       | _        | $\dashv$   | - 1          | H   |       | 68       | $\dashv$        | $\neg$   | $\top$      |          |          |          |  |        |  | 118      |  |                   | 7        | $\neg$   | ヿ        | Ť        | _        | $\neg$    | ヿ        |
|              | 19       | <del> </del> |  |                 |        |                 |              | $\dashv$ | _  | - ∷          |     |       | 69       |                 | _        | +           |          | $\dashv$ | +        |  |        |  | 119      |  |                   | 1        |          | _        | Ť        | _        | $\exists$ | ヿ        |
| <b>—</b>     | 20       | -            | <del> </del>                                     | $\vdash$        |        | Н               | -            | $\neg$   |  | <b>⊣</b> ∷   |     |       | 70       |                 | $\top$   | $\top$      | $\vdash$ | _        | +        | Н  |        |  | 120      | _  | _                 | _        |          |          |          | -        | 寸         | ヿ        |
| -            | 21       | ÷            | N  | $\vdash$        |        | Н               | -            |          |  | <b>∃</b> ∷   | ı   |       | 71       | $\vdash$        | $\top$   | $\dashv$    |          |          | $\top$   |  |        |  | 121      |  | $\Box$            | T        |          | _        |          | $\neg$   | 寸         | ᆿ        |
|              | 22       |              | N  |                 |        | H               |              | H        | _  |              |     |       | 72       | +               | +        | +           | ╅        |          | +        |  |        |  | 122      | _  |                   | 7        |          | _        |          | _        | 寸         | $\neg$   |
|              | 23       |              | N  | $\vdash$        | _      |                 |              | $\vdash$ |  | -            | ı   |       | 73       | _               | $\dashv$ |             | Н        | _        | _        |  |        |  | 123      |  |                   | _        |          |          | 1        | 一        | $\top$    | $\neg$   |
|              | 24       |              | N  | Н               |        | -               |              |          |  | ։            | 1   |       | 74       | -               | +        | _           | $\vdash$ | $\dashv$ | +-       | -  |        |  | 124      |  | 十                 | _        |          | _        | 一        | 十        | $\dashv$  | $\neg$   |
|              | 25       | ÷            | N  | H               |        |                 |              |          |  | 48           | 1   |       | 75       | $\dashv$        | $\dashv$ | +           | 1        | _        | 1        |  |        |  | 125      |  |                   | $\dashv$ |          | _        | _        | 寸        | 寸         | $\equiv$ |
| <del></del>  | 26       | <u> </u>     | -  |                 |        |                 |              |          |  | $\dashv$     |     |       | 76       |                 | +        | +-          | 1        | _        | $\top$   | -  |        |  | 126      |  |                   | $\dashv$ | _        |          |          | $\neg$   | $\dashv$  | $\neg$   |
|              | 27       | <u> </u>     | N  | $\vdash$        |        |                 |              | $\vdash$ | -+   | ╣.           | 1   |       | 77       |                 | $\dashv$ | <del></del> | +        | $\top$   | +        | -  |        |  | 127      | -  | $\vdash$          | $\dashv$ |          |          | _        | $\dashv$ | 十         | ᅦ        |
|              | 28       |              | N  | $\vdash$        | _      | H               |              | $\vdash$ |  | ⊣:.          |     |       | 78       |                 | $\dashv$ |             | +-       | $\dashv$ | -        | _  |        |  | 128      |  | $\vdash$          | $\dashv$ | 寸        | 一        | 7        | $\dashv$ | 寸         | $\neg$   |
|              | 29       |              | N  |                 | _      | Н               |              | $\vdash$ | $\vdash$   | 40           |     |       | 79       | $\vdash$        | $\dashv$ | +-          | T        | +        | +        | $\vdash$   |        |  | 129      |  | $\vdash$          | $\dashv$ | $\dashv$ | $\neg$   | 7        | $\dashv$ | 十         | ᅥ        |
|              | 30       |              | N  | -               | _      | Н               | Н            | $\dashv$ |  | ┥.           |     |       | 80       | -               | -        | +           | $\vdash$ | +        | +        |  |        |  | 130      |  |                   | _        |          | $\neg$   | 寸        | $\dashv$ | 十         | ᅥ        |
| <del></del>  | 31       | H            | 1.3  | $\vdash$        |        | Н               |              |          | -  | ⊢            |     |       | 81       |                 | +        | $\top$      |          | _        | +        |  |        |  | 131      | _  |                   | 寸        |          |          | 7        | $\dashv$ | $\dashv$  | $\neg$   |
|              | 32       | -            | $\vdash$   | $\vdash$        |        |                 |              | -        | $\vdash$   | ⊢.։          |     |       | 82       |                 | $\dashv$ | +           | 1-       | +        | +        |  |        |  | 132      | <del>                                     </del> |                   | 寸        | 一        | 一        | _        | $\neg$   | $\dashv$  | ヿ        |
|              | 33       | $\vdash$     | $\vdash$   | Н               |        | Н               | -            | H        |  | -            |     |       | 83       | $\dashv$        | _        | +-          |          | +        | +-       |  |        |  | 133      | $\vdash$   | $\vdash$          | $\dashv$ | $\dashv$ |          | _        | $\neg$   | 寸         | _        |
| $\vdash$     | 34       | $\vdash$     | -  | $\vdash$        |        | $\vdash \vdash$ | $\vdash$     | $\vdash$ | -  | $\dashv$     | H   |       | 84       | +               | $\dashv$ | +           | H        | $\dashv$ | +        |  |        |  | 134      |  | $\vdash$          | $\dashv$ | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$  | $\dashv$ |
| $\vdash$     | 35       | $\vdash$     | $\vdash$   |                 | _      | $\vdash$        | $\vdash$     | $\vdash$ | <del>   -</del>                                  | ┥.           | }   |       | 85       | +               | $\dashv$ | +           | Н        | +        |          | ┤  |        |  | 135      | Н  |                   | $\dashv$ | $\dashv$ |          | 一        | $\dashv$ | 十         | ᅱ        |
| <del></del>  | 36       | $\vdash$     | $\vdash$   | Н               | _      | $\vdash$        | $\vdash$     | $\vdash$ | $\vdash \vdash$                                  | $\dashv$ :   | : } |       | 86       | $\vdash$        | 十        | +           | 1-       |          | +        |  |        |  | 136      |  | $\vdash \uparrow$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | -+        | $\dashv$ |
| <del> </del> | 37       | $\vdash$     | $\vdash$   | Н               |        | Н               |              |          | $\vdash \vdash$                                  | $\dashv$     | : } |       | 87       | $\forall$       | +        | +           | $\vdash$ | $\dashv$ | +        |  |        |  | 137      | Н  | $\vdash \vdash$   | 十        | _        |          | _        | 十        | $\dashv$  | П        |
| <del> </del> | 38       | $\vdash$     | $\vdash$   | $\vdash$        | _      | Н               | $\vdash$     |          |  | $\dashv$     |     |       | 88       | $\vdash$        | +        | +           | +        | $\dashv$ | +        | $\vdash$   | i      | <del>                                     </del> | 138      | $\vdash$   | $\vdash$          | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$  | -        |
|              | 39       | $\vdash$     | <del>                                     </del> | $\vdash$        | _      | $\vdash$        | $\vdash$     | $\vdash$ |  | $\dashv$     | H   |       | 89       | $\vdash \vdash$ | +        | +           | $\vdash$ | -        |          | $\vdash$   |        |  | 139      | $\vdash$   | $\vdash$          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$  | _        |
| <del> </del> | 40       | $\vdash$     | $\vdash$   | H               |        | Н               |              | $\vdash$ | $\vdash$   | $\dashv$     | ी   |       | 90       | $\vdash \vdash$ | +        | +           | +        | $\dashv$ | +        | Н  |        |  | 140      | $\vdash$   | $\vdash$          | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | $\dashv$  | _        |
| <del> </del> | 41       | $\vdash$     | $\vdash$   |                 | _      | Н               | $\vdash$     | $\vdash$ | $\vdash$   | $\dashv$     |     |       | 91       | $\vdash$        | +        | +-          | +        | +        | +        | $\vdash$   |        |  | 141      |  | $\vdash$          | $\dashv$ |          | $\dashv$ | -+       | $\dashv$ | 十         | _        |
| <u> </u>     | 42       | $\vdash$     | -  | $\vdash$        | -      | H               | $\vdash$     | H        | <del>                                     </del> | ┥.           |     |       | 92       | $\dashv$        | +        | +           | +-       | $\dashv$ | +        | <del>                                     </del> |        |  | 142      |  | $\vdash \vdash$   | 十        |          | $\dashv$ | $\dashv$ | $\dashv$ | 十         | _        |
|              | 43       | ├-           | -  | $\vdash$        |        | $\vdash$        | $\vdash$     | $\vdash$ | $\vdash$   | - :          |     |       | 93       | -+              | ┰        | +-          |          | +        | +-       | <del>                                     </del> |        |  | 143      | $\vdash$   | $\vdash \vdash$   | $\dashv$ | ᅱ        | -        | $\dashv$ | 十        | +         | _        |
| <del> </del> | 44       | $\vdash$     | $\vdash$   | Н               | -      | $\vdash$        | $\vdash$     |          | $\vdash$   | $\dashv$     |     |       | 94       | <del>   </del>  | +        | +           | $\vdash$ | $\dashv$ | +        | Η-   |        |  | 144      | $\vdash$   | $\vdash \vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$  | _        |
| <u> </u>     | 45       | $\vdash$     | -  | $\vdash$        |        | $\vdash$        | <del> </del> | $\vdash$ | <del></del>                                      | -            |     |       | 95       | $\vdash \vdash$ | +        | +           | $\vdash$ |          | +        | $\vdash$   |        |  | 145      | $\vdash$   | $\vdash \vdash$   | $\dashv$ |          | -        | $\dashv$ | -+       | $\dashv$  | _        |
| <del> </del> | 46       | -            | ├  | $\vdash$        | _      | Н               |              | H        |  | $\dashv$     |     |       | 96       | $\vdash$        | +        | +           | +        | $\dashv$ | +        | $\vdash$   |        |  | 146      | -  | $\vdash$          | $\dashv$ | -        | -        | -        | $\dashv$ | $\dashv$  | _        |
| ļ            | 47       | 1            | -  | $\vdash$        | _      | H               | -            | $\vdash$ | $\vdash$   | -            |     |       | 97       | $\vdash$        | +        | +           | $\vdash$ |          | +        | -  |        | <u> </u>   | 147      | $\vdash$   | $\vdash$          | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | $\dashv$  | _        |
| -            |          | ├            | <del>                                     </del> | $\vdash$        | _      | -               | $\vdash$     | $\vdash$ |  | -            |     |       | 98       | $\vdash$        | +        | +           | $\vdash$ | -+       | +-       | $\vdash$   |        | <del> </del>                                     | 148      | <del>                                     </del> | $\vdash$          | -+       |          |          | -        | +        | $\dashv$  | _        |
|              | 48       |              | <del> </del>                                     | $\vdash$        | -      | -               | -            | Н        | <del>   </del>                                   | $\dashv$     |     |       | 99       |                 | +        | +           | $\vdash$ | $\dashv$ | +        | $\vdash$   |        | <u> </u>   | 149      | $\vdash$   | $\vdash$          | -+       | -        |          |          | +        | $\dashv$  | -        |
|              | 50       | $\vdash$     | $\vdash$   | Н               | -      | $\vdash$        | $\vdash$     | Н        | <del>  -</del>                                   | -18          |     |       | 100      | $\vdash$        | +        | ┰           | +        | $\dashv$ | +        | $\vdash$   |        | <del> </del>                                     | 150      | $\vdash$   | $\vdash \dashv$   | $\dashv$ | -1       | $\dashv$ |          | $\dashv$ | $\dashv$  | _        |
|              | T 20     | L            | <u> </u>   | لـــا           | L_     |                 | Ц            | ш        | سلا  | _]∷          | 11  |       | LIUU     | oxdot           |          |             |          |          |          | <u> </u>   | Jiriri | L  | 150      | Щ  | Щ.                |          |          |          |          | -        |           |          |